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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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10/797,768						
March 10, 2004						
Robert Ciardella						
3754						
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		U.S. Patent Doc	ument		Date of Publication	Pages, Columns, Lines, Where Relevant	
	Cite	Cite No.1	Number .	Kind Code? (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
om	1	5,790,401		ADD Flexible Automation, Inchiecos	08-04-1998		
am		6,134,102		Worn et al.	10-17-2000		
pon	<del> </del>	4,348,142		FIGOUR	09-07-1982		
om		4,888,708		Brantmark et al.	12-19-1989		
om	<del>                                       </del>	4,983,818		Knowles	01-08-1991	<u> </u>	
an	<del> </del>	5,063,376		Chang	11-05-1991		
om	<del> </del>	5,267,181		George	11-30-1993		
om	<del>                                     </del>	5,294,782		Kumar	03-15-1994		
am	<del> </del>	5,432,510		Matthews	07-11-1995	<u> </u>	
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· · ·	FOREIGN PATENT DOCUMENTS									
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Examiner Initials*	Cite No.	Office3	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	. Le.		
am	<del> </del>	wo	01/71878	Al	Kuka Development Lab, Inc.	09-27-2001				
om.	<del> </del>	wo	02/078913	Al	ABB AB	10-10-2002		<u> </u>		
ODM	<del> </del>	wo	03/036324	Al	ABB AB	05-01-2003				
m	<del>                                     </del>	wo	03/072316	Al	ABB AB	09-04-2003				
ma	<del>                                     </del>	EP	0 303 708			02-1989				
am	<u> </u>	EP	0 3 1 0 9 5 8			04-1989				

 OTHER PRIOR ART
 Brantmark, Lindqvist, Norefors, 1982, Man/machine communication in ASEA's new robot controller, ASEA Journal, 1982, vol. 55, No. 6.

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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 18 if possible. <sup>5</sup>Applicant is to place a check mark here if English language Translation is attached.

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Sheet 1

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Filing Date March 10, 2004 First Named Inventor Ciardella et al. Art Unit 3754 not yet assigned **Examiner Name** 

**Application Number** 

11694/04308 Attorney Docket Number

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f Incom)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
am	<del> </del>	US- 6,500,262	12/31/02	Bednarz et al.	
pm		<sup>US-</sup> 6,666,919	12/23/03	Coulibaly et al.	
		US-			
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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Oate	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	76
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T
Por		EP 1263167	12/2002	Zensys AS		
and		WO 00/07741	02/2000	ABB Flexible		
am		WO 02/18060	03/2002	Borders et al.		L
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		NON PATENT LITERATURE DOCUMENTS	
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